

EcoReco M3 electric scooter

EcoReco Corporation (U.S.A.)



customer.service@ecorecoscooter.com
ecorecoscooter.com

1608 W Campbell Ave, # 280
Campbell, California, 95008
U.S.A

Chassis number (under the battery compartment): _____

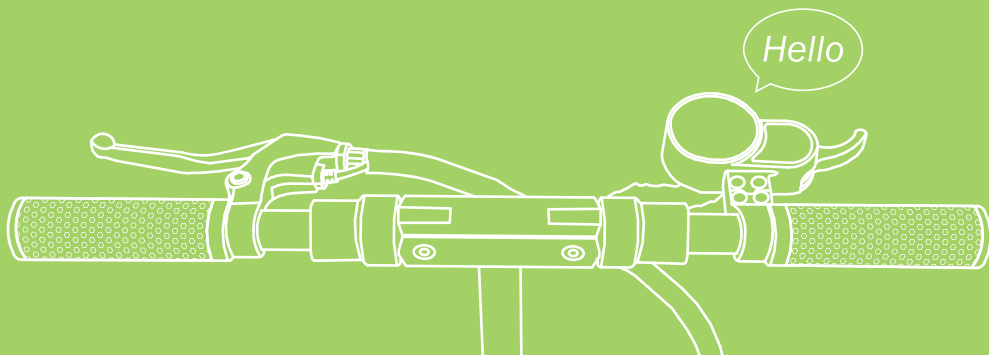
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EcoReco Corp. recognizes its responsibility to minimize environmental impacts of its operations and products.
This manual is made from 100% recycled paper.



ecoreco

Personal Mobility Redefined
M3 Electric Scooter MANUAL



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INTRODUCTION

Welcome to the EcoReco family!

Thank you for choosing an EcoReco electric scooter for your eco-friendly recreation and commuting. You will soon learn first-hand that the EcoReco scooter is a compact, efficient, and economic personal transportation vehicle.

This manual provides an overview of the function, operation, maintenance and warranty of your new vehicle. Please read the instructions carefully to help ensure that you ride safely and your electric scooter has a long service life.

- Always follow state regulations and traffic rules regarding the operation of your electric scooter.
- Always wear a safety helmet and suitable clothing, pads, and shoes, and maintain full control of the scooter at all times while riding.
- Observe the battery's charging requirements to avoid damaging the scooter and to significantly extend its service life.

The information in this manual is accurate as of the time of printing. To determine whether modifications and supplements have been added since then, visit our official website at ecorecoscooter.com for the latest version of the owner's manual and a list of authorized repair shops and dealers.

Please do not hesitate to contact us if you have any questions:



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Campbell, CA 95008, U.S.A.

We are sure that you will have a lot of fun with your new EcoReco scooter. Enjoy it and help make the environment greener one ride at a time!

GENERAL GUIDANCE

1. The EcoReco scooter is delivered fully assembled from the manufacturer.
2. The battery is only partially charged on delivery. Charge the battery for at least 12 hours before first-time operation.
3. For quality assurance, an EcoReco scooter has to go through several test rides and charging cycles. Therefore, the dashboard might display a few charging cycles and miles ridden at the date of receipt.
4. The scooter's chassis number is under the battery case. Please note this number on the back of this owner's manual for future service needs.
5. The scooter is designed for operation by and the transport of only one person age 16 or older who has a driver's license.
6. Adult supervision is required during charging and operation of the scooter.
7. Insurance may not cover accidents involving the scooter. Contact your insurance company for more information.
8. Consult your state's transportation authorities for the latest regulations before operating the scooter on streets. The scooter can only be used on private property UNLESS it is street legal in the state in which you intend to operate it. (While federal and many state laws approve its legal use in bike lanes, some states consider a motorized scooter as not street legal.)
9. Your scooter is suitable only for flat surfaces, not for open country, hills, or potholes. Observe road conditions and follow traffic rules at all times.
10. Do not operate your scooter on wet surfaces or in bad weathers.
11. For your safety, do not jump nor perform stunts while riding. Doing so may also reduce the product life due to a higher load on folding mechanisms and delicate electronics inside.
12. Before storing your scooter for long periods, charge it fully.
13. Even in storage, monitor the battery level at least once every 3 months and recharge your scooter if needed to prevent irreparable damage due to a complete, natural self-discharge.
14. Non-designated use of the scooter will cause the warranty to become void.
15. All interventions to increase performance/speed or generally alter the fundamental features of the scooter endanger the operational safety while reducing the service life of your scooter. It will cause the warranty to become null and void with immediate effect. They might be considered a criminal offense and be prosecuted by law.

EcoReco M3 SCOOTER COMPONENTS



- ① Handlebars
- ② Round junctions
- ③ T-bar
- ④ Main support bar
- ⑤ Positioning button
- ⑥ Dashboard and accelerator lever
- ⑦ Brake lever
- ⑧ T-bar tightening screw
- ⑨ Securing lever
- ⑩ Fixing lever
- ⑪ Deck
- ⑫ Charging socket
- ⑬ Kickstand
- ⑭ Rear wheel brake

RECHARGEABLE BATTERY AND CHARGER

The battery in your EcoReco scooter is state-of-the-art rechargeable Lithium FerroPhosphate (LiFePO₄, or Li-Iron). It is the most suitable material for vehicular use because it is significantly lighter and smaller, and provides a longer life than an outdated, toxic Sealed Lead Acid battery. It also is inherently safer and more environmentally friendly than a Li-Ion battery.

CHARGING TIMES

- Before first-time operation: Charge the battery for at least 12 hours.
- For subsequent charging: Charge the battery until one of the LED lights on the EcoReco charger turns green. Expect the battery to charge from empty to 85% in 2.5 hours (recommended) and from empty to full in 4.5 hours.

CHARGING THE BATTERY



1. Ensure the scooter is switched off, then open the end cap on top of the charging socket adjacent to the kickstand.
2. Connect the charger to the scooter's charging socket, then connect the charger to the power outlet via the connection cable.
3. The battery is charging when both charger LEDs are red. (A mild whirring sound from the fan is normal during charging.) As soon as one of the LEDs turns green, charging is complete. Remove the plug from the power outlet, then remove the charger from the scooter's charging socket. Close the end cap.

INSPECTIONS AND REPAIRS

- Perform regular visual inspections of the cables and charger.
 - Do not operate the charger if the charger or cables displays visible damages.
 - Contact EcoReco to have them replaced if damaged in order to avoid further material damages and injuries.
- Do not carry out independent repairs on the battery, charger or cables. Contact EcoReco for your service needs.



Charging safety tips:

- Use only the original manufacturer battery, charger and cables supplied.
- Use only the spare parts supplied by EcoReco for the scooter.
- Ensure the correct connection of the charger using the designated cables.
- Ensure sufficient ventilation and low flammability in the charging area. Do not charge on a carpet.
- Ensure a dry environment. Never allow the charger or cable to come into contact with water as this may result in an electric shock. Never touch them with wet hands.
- Pull the wall plug if any fault arises during charging.
- Always pull the plug, not the cable.
- Do not allow the charger or cables to be damaged or crushed by sharp edges or heat.

BATTERY STATUS

- The battery capacity status and charging cycle are indicated on the dashboard when the scooter is powered on. More information is outlined in the “Dashboard and accelerator” section.
- It is most energy efficient when charging is performed between 20-80% of battery capacity.
- When used normally, the battery should not lose more than 20% of its capacity within the first 600 charging cycles. Typical rechargeable cycles of Lithium FerroPhosphate (LiFePO₄) are more than 1,000 times.

USAGE

- If you ride until the battery is fully discharged and the scooter shuts down automatically, it will not cause any damage. However, please charge the battery immediately.
- Please do not force a restart and continue to ride after the battery is fully discharged and the dashboard shows zero bars. Doing so might cause irreparable damage (ie, deep discharge) to the battery and also cause the warranty to become null and void.
- Avoid operating the scooter when the battery is hot.

STORAGE

- Avoid storing the scooter under direct sunlight (even if it's inside your car trunk) for a long period of time. The temperature of the scooter body and battery could reach higher than 110 degrees Fahrenheit, causing damage to the functionality and product lifetime of the battery.
- Avoid storing the scooter in wet environments.
- Batteries self-discharge slightly everyday even when not in use. Longer storage periods without charging incur irreparable damage (ie, deep discharge) to the battery. Therefore, charge the battery regularly.
- In winter, the battery can lose capacity faster because of low temperatures.
- Recharge the battery in full immediately after it has completely discharged or before storing the scooter for longer periods.
- Even in storage, please monitor the battery level and recharge the battery fully at least once every 3 months.



Important:

- Please charge your EcoReco scooter in full before storing it for long periods.
- Avoid storing the scooter under direct sunlight or in wet environments.
- Even when it is not in use, monitor the battery status or recharge your EcoReco scooter fully every 3 months to prevent a self-induced deep discharge.

DISPOSAL

You are already making a major contribution to environmental protection by riding your EcoReco scooter. To further avoid unnecessary pollution:

- Dispose of your EcoReco scooter and all associated components (such as batteries) through authorized disposal facilities.
- Please observe the most recent applicable guidelines. If in doubt, find out about environmentally friendly guidelines from your disposal facility.



Warning:

Battery and electric equipment must not be disposed of as household waste.

DASHBOARD AND ACCELERATOR

1. Accelerator lever:

The scooter is equipped with Safe-Start protection to limit unintended jerking; you must first “roll” the scooter manually for initial speed before the accelerator lever becomes activated. Place your finger(s) over the accelerator lever and push in as desired to accelerate.

2. Power button:

Press for about 1 second to power on and about 3 seconds to power off.

3. Mode selection button:

Press as needed to switch between the following functions:

- (a) TRIP: Distance traveled since last resetting the display.
(To reset, hold down the MODE button while in “Trip” mode until the display flashes twice.)
- (b) ODO: Odometer (ie, total distance traveled).
- (c) ODO SET: Numerical speedometer (ie, current velocity of the scooter)
- (d) SET: Charging cycle counter.

+ Note:

- For quality assurance, an EcoReco scooter must go through several test rides and charging cycles. Therefore, the ODO and SET modes might display miles ridden and charging cycles upon receipt.
- If the SET icon does not appear, it means the counter is under the metric (kilometer) system. Simply press the MODE button for 5 seconds twice to switch to the imperial (mile) system, and the SET icon will appear.

4. Battery status:

Five black bars mean the battery is fully charged. The fewer the black bars, the less the remaining battery capacity.

5. Speedometer:

Graphic bars display the current speed in mph.



BRAKE

- The brake lever for the rear wheel brake is on the left handlebar.
- To slow down or stop the scooter when it is powered on and moving, place your finger(s) over the brake lever and push in as desired to brake.
- As soon as the brake is activated, the accelerator lever on the right handlebar is deactivated.
- The drum brake on the rear wheel does not kick in until after the brake lever is fully pressed.
- To adjust the brake tightness, slightly rotate the screw along the brake cable near the bottom of the main support bar. Test the brake effectiveness multiple times before riding for distances again.



Warnings:

- Moisture can cause the brake to react more slowly. For this reason:
 - “Dry brake” carefully in a safe place after washing the scooter.
 - Avoid operating the scooter in bad weather (eg, rain, snow, or ice).
- When taking a longer journey in the rain is unavoidable, please frequently activate the brake carefully while riding to ensure that the brake works properly.



Brake lever



Drum brake

TECHNICAL SPECIFICATIONS

Charging time	2.5 h (85%) to 4.5 h (100%)*
Load maximum	260 lb
Total weight	34 lb
Engine performance	250 W
Battery	LiFePO ₄ 36 V 8 Ah
Wheel size	6.3 x 1.9 in
Size “upright” (operation mode)	38 x 22 x 46 in
Size “folded” (compact mode)	36.6 x 5.5 x 11.8 in

SPEED AND RANGE ESTIMATES PER CHARGE†

CRUISING

Speed average	8 mph
Range	19 miles

REGULAR

Speed average	13 mph
Range	23 miles

PERFORMANCE

Speed average	18 mph
Range	17 miles

*After first-time operation.

†Based on product testing statistics under continuous operation of a 170-lb rider on flat ground at steady speed.

Actual operating mileage depends highly on the rider’s weight and riding style, road conditions, climate and battery’s condition; therefore, estimation here only serves as a reference. Actual mileage per charge might vary.

EcoReco SCOOTER OPERATION

SAFETY REQUIREMENTS

- Your EcoReco scooter is intended for leisure activit only. Operation of the vehicle on public roads is subject to the latest regulations of federal and local authorities, and all offenses against the law could result in penalties.
- Always wear a safety helmet and suitable clothing, pads, and shoes. Wear bright, noticeable colors to ensure others can see you more clearly and quickly.
- Your EcoReco scooter is delivered ready for operation from the manufacturer. No further assembly is needed.



Reminders about the battery:

- The battery is only partially charged on delivery.
- Before riding for the first time, charge the battery fully for at least 12 hours.



Notes about the battery:

- Extreme temperatures, steep inclines, high loads, older batteries and longer storage periods without charging have a major influence on performance.
- If your scooter significantly fails to reach full speed or range during operation although the battery has been fully charged, this could be attributable to unusual use of your scooter or a defect of the battery. Please contact our customer support team or an authorized dealer.
- If you have trouble fully charging the battery, it might be due to unbalanced voltages in battery cells. Please contact our support team or an authorized dealer for a free service of parallel charging.

UNFOLDING FOR OPERATION

Refer to the “EcoReco scooter components” section if needed.



Press down the fixing lever, and **lift up** the main support bar from the deck until it clicks into place.



Lift up the securing lever and **secure** it against the main support bar



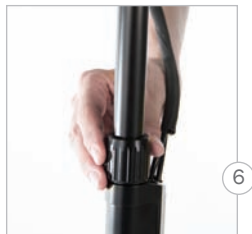
Expand the handlebars until the round junctions click into place. (Be careful not to wrap the handlebar wires around the dashboard.)



Loosen the T-bar tightening screw.



Pull out the T-bar extension and **lock** it into position (with the positioning button) at the preferred height.



Tighten the T-bar tightening screw.

FINAL SAFETY CHECKS BEFORE OPERATION

Because transport and longer periods of non-usage can incur defects that impair the scooter's function, check the following **before operation** each time:

- The brake functions.
- The folding mechanism is secured.

- The battery charge is sufficient.
- The tires are not damaged.



Warning:

Always inspect the scooter for roadworthiness before use.

After some time of usage, the securing lever might become loose, so please check the status of the securing lever before each use. And if loose, please tighten it from the bolt/ screw below.

OPERATING TIPS

- Find a private area without road traffic and with enough space for you to get used to your EcoReco scooter.
- Note that the T-bar height might feel differently once you step on the deck. Readjust it if needed and make sure to tighten the T-bar tightening screw.
- Lift up the kickstand.
- If riding your EcoReco scooter for the first time, **familiarize yourself with its movement and balance by “rolling” it without the power on:** Depending on the stance you prefer, put your dominant leg on the front of the deck and the other one on the ground, with your head facing forward. Use the leg on the ground to push the scooter forward. Once you gain some speed, gently lift up that leg and rest it on the back of the deck. If needed, adjust your grip on the handlebars to remain balanced. Repeat the same movements once the scooter slows down to keep it going.
- Riding the scooter without power does not damage it.
- **Do not turn on the power until you feel confident “rolling”.**
- Press the EcoReco power button on the dashboard for a second until the display lights up.
- The scooter is now ready for you to get on and take off.
- Your EcoReco scooter offers **Safe-Start protection to limit unintended jerking.** This means **you must first roll the scooter manually for initial speed before the accelerator lever becomes activated.** Place your finger(s) over the accelerator lever and push in as desired to accelerate.
- When the brake is activated, the accelerator is deactivated. See the “Brake” section for guidance on the brake and brake lever.
- A slight whirring sound is normal when the scooter is powered on and moving.
- To preserve the battery, the scooter shuts off automatically after 3 minutes of inactivity.



FOLDING FOR TRANSPORT/STORAGE

Refer to the “EcoReco scooter components” section if needed. Do not operate the scooter when it is “folded.”



Turn off the scooter. (The scooter shuts off automatically if inactive for 3 minutes.)



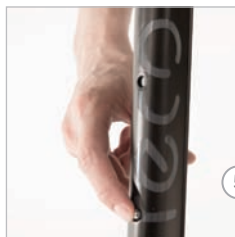
Pull the handlebars away from each other using the round junctions.



Fold down the handlebars.



Loosen the T-bar tightening screw.



Push in the positioning button and **push** the T-bar extension into the main support bar.



Push down the securing lever.



Lift the main support bar, so that the front wheel is just off the ground, then **press down** the fixing lever.



Fold the main support bar down to the deck.



To carry the scooter, **lift** from the main support bar.

CLEANING AND SERVICING

CLEANING

To avoid rust on screws and unnecessary wear, thoroughly clean and dry the scooter if you have operated it in the rain.

- Washing
 - Use suitable cleaning and care agents and a soft sponge.
 - Never use solvents.
 - Never align a direct water spray to the scooter.
 - Rinse with clear water after washing to remove any cleaning residue.
 - Dry with a clean cloth.
- After washing

Exercise extreme caution while performing some “dry brake” operations in a private, safe area. The water on the brake surface reduces the brake performance in the short term.

CARE

To protect your scooter from unnecessary damage:

- Charge the battery in full immediately after purchase as indicated in this manual.
- Monitor the battery status at least every 3 months when stored, and charge it if needed. Avoid unnecessary contact with water to extend the life of the scooter and battery.
- Batteries are susceptible to temperature. Do not park your EcoReco scooter directly under the sun or in very cold environments. Room temperature is ideal for storage.
- Do not hang any object from the wires attached to the handlebars.

SERVICE

Repair and maintenance service must be performed by the EcoReco service team or authorized dealers. Unauthorized actions might lead to a loss of the warranty. For repair and maintenance, please contact: customer.service@ecorecoscooter.com
ecorecoscooter.com

LIMITED MANUFACTURER WARRANTY



WARNING:

READ AND UNDERSTAND THE WARNINGS AND OWNER'S MANUAL BEFORE OPERATION. SERIOUS INJURY OR DEATH CAN RESULT FROM IGNORING WARNINGS AND/OR IMPROPER USE.

EcoReco, a California Corporation, expressly warrants that each of its products is free from defects in line with the state-of-the-art in terms of materials and manufacturing under normal operating conditions and according to proper use for a period of 180 days from the date of original purchase. Frame and fork guaranteed for 2 years against factory defects and workmanship. The statutory warranty terms for the battery shall be 6 months for private use.

- Normal operating conditions require the following practices described in the owner's manual and routine care/maintenance by the purchaser of the product.
- Proper use means that the EcoReco transportation product is to be used only in the manner intended for personal transportation of a single rider with proper safety equipment described in the owner's manual.

EcoReco scooters are intended for use only with the proper safety equipment on smoothly paved, safe, dry, non-oily surfaces in accordance with local regulations during daylight hours.

In express consideration of the purchaser's execution of the limited warranty and liability agreement, EcoReco will repair or replace any part or component, other than wear parts such as cables, tires or brakes tires, of the EcoReco scooter free of charge during the statutory warranty period as of the date of original purchase by the purchaser who registers his/her product under the warranty program.

Warranty service can be obtained by contacting your local dealer or the EcoReco Tech. Line at customer.service@ecorecoscooter.com and following the instructions given by the service representative. Shipping costs will be at the purchaser's expense.

In complying with our warranty obligations, we shall specify that the scooter be repaired. Inspection of the fault and its causes is carried out in the main repair shop, authorized repair shops or certified dealers.

In the event of a justified warranty claim, EcoReco is responsible for:

- Repair or replacement of the defective component.
The cost of dispatch, removal and installation.
- Delivery of spare parts for repair work within the framework of the warranty (spare parts that have been replaced become EcoReco property).

The purchaser is obliged to refrain from using the vehicle purchased for any purpose other than that designated in the operating instructions.

If the scooter has been modified by a third party by installation of non-original parts or any defects are associated with such modifications, the warranty claim shall become null and void.

Furthermore, the warranty claim shall become null and void if the specifications governing treatment of the scooter are not followed and the designated repair services have not been carried out properly.

NOT INCLUDED IN THE WARRANTY

1. Damage to the vehicle brought on by improper use or operation under abnormal conditions. Racing, competitive or commercial use, or modification of the product shall void this express limited warranty.
2. Damage incurred by road chips, hailstones, de-icing salt, industrial fumes, poor care (eg, poor battery charging) or unsuitable care of products.
3. Lubricants, packaging material and various consumables which are not associated with repair work on recognized faults.
4. All maintenance or other work arising from wear, accidents or operating conditions as well as riding while failing to observe the information provided by the manufacturer.
5. All incidents such as development of noise, vibrations, wear of the wheels, brakes etc., which do not significantly impair the riding and vehicle performance.
6. The use of non-original spare parts.
7. Damage attribute to the installation of non-original parts or efforts by the user or non-authorized party to repair the damage
8. The following components, excluding unambiguous material or manufacturing defects (eg, breakage, incorrect assembly):
 - Components that are replaced during normal maintenance work (eg, batteries, tires, brakes).
 - Components subject to wear (eg, tires, brake pads, cables, lamps, fuses, battery, stands, deck/footboard, brake cable or suspension fork)
9. Costs of maintenance, servicing and cleaning work.
10. Defects originally attributable to a lack of or untimely battery charging.

OTHER DISCLAIMERS

- The warranty claim only entitles the purchaser to demand that the defect be remedied. Claim for conversion and reduction shall only apply after several failed attempts at improvement.
- Compensation will not be provided for direct or indirect claims.
- Warranty claims will only be taken into consideration if they are reasserted against the corresponding EcoReco dealer or EcoReco itself immediately after detection of the defect in a certified EcoReco repair shop.
- Warranty claims do not result in the warranty term being renewed or extended.
- The warranty conditions shall only apply within the United States of America and Canada. The purchase receipt and signed warranty registration form must be presented when asserting warranty claims.
- You can contact our EcoReco Tech. Line at customer.service@ecorecoscooter.com if you have any technical queries or issues relating to the warranty. Always have your chassis number at hand. (This number is located under the battery compartment. Please note it on the back of this owner's manual.)

Purchaser herewith acknowledges: (a) EcoReco assumes no liability for any misuse of any of its scooters; (b) under this limited warranty and liability agreement EcoReco shall have no obligation and the purchaser or user shall have no remedy against EcoReco, its officers, agents or assigns for any damages, including without limitation, incidental, consequential, special, punitive damages arising from direct or indirect injury to person(s) or property, or any other loss, whether or not occasioned by negligence, or otherwise, on the part of EcoReco; (c) purchaser acknowledges that there is an inherent risk in the operation of motorcycles, bicycles, mopeds, and all EcoReco scooters, and herewith assumes the risk of any injury arising from operation of any EcoReco scooters.

Original owner will indemnify and hold EcoReco harmless and will take full responsibility for conveying all safety warnings, instructions, and limited warranty if unit is sold, lent, or otherwise transferred to other persons and will indemnify EcoReco from any claims against it for original owner's failure to do so.

THE EXPRESS LIMITED WARRANTY DESCRIBED ABOVE SHALL BE EXCLUSIVE AND THERE IS NO OTHER WARRANTY OR LIABILITY, EXPRESS OR IMPLIED, ARISING BY LAW OR OTHERWISE AND WHETHER OR NOT OCCASIONED BY ORIGINAL OWNER'S NEGLIGENCE. THERE IS NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THOSE EXPRESSLY STATED HEREIN.



Notice:

Some states do not allow the exclusion or limitation of incidental or consequential damages and some states do not allow limitation on how long an implied warranty lasts; therefore, some of the above limitations may not apply to you.



Notice:

Your homeowner's insurance may not cover either direct or third-party liability claims arising from use of this or any other EcoReco product.

DECLARATION OF CONFORMITY

Manufacturer (also responsible for the technical documentation):

EcoReco Corporation, U.S.A.

1608 W Campbell Ave, Campbell, California 95008, U.S.A.

CEO: Jay Sung

Herewith we declare that the EcoReco E-Scooter fulfills all relevant provisions of the

- Directive 2006/42/EC (on machinery)
- Directive 2009/48/EC (safety of toys)
- Directive 2004/108/EC (electromagnetic compatibility)

Harmonized standards and/or other technical standards used:

- EN6100-6-3:2007+A7
- EN6100-6-1:2007
- EN71-1, EN71-2, EN71-3
- EN14619
- EN60335-1

The CE symbol as below is to be found on EcoReco M3 E-Scooter. The producers confirm that EcoReco M3 accords with all regulations for using the CE symbol.



Hamburg, March 2013

Jay Sung

EcoReco Corporation, U.S.A.